

Title (en)

REFRIGERATOR AND METHOD FOR CONTROLLING SAME

Title (de)

KÜHLSCHRANK UND VERFAHREN ZUR STEUERUNG DAVON

Title (fr)

RÉFRIGÉRATEUR ET SON PROCÉDÉ DE COMMANDE

Publication

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Application

EP 19870026 A 20191001

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Abstract (en)

[origin: EP3862685A1] A refrigerator according to the present invention comprises: a storage chamber in which food is stored; a cold air supply means for supplying cold air to the storage chamber; a tray forming an ice-making cell as a space in which water undergoes a phase change to ice by means of the cold air; a heater for supplying heat to the tray; and a controller for controlling the heater. The controller starts ice-making after water supplied to the ice-making cell by a first amount of water supply is completed. The controller turns on the heater in at least a part of a range in which the cold air supply means supplies cold air such that air bubbles dissolved in water inside the ice-making cell can move from ice-generating parts to liquid-state water, thereby generating transparent ice. The controller determines whether or not the heater is functioning abnormally in the ice-making process. If it is determined that the heater is functioning abnormally, the controller supplies water to the ice-making cell by a second amount of water supply, which is smaller than the first amount of water supply, during the next water supply process.

IPC 8 full level

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[XI] US 2010218520 A1 20100902 - MCCOLLOUGH THOMAS W [US], et al

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